

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

✓ 1-7. (Canceled)

✓ 8. (Previously amended) A user interface including a page-turn for a multiple page document comprising:

- a screen display of a first page of image or text;
- means for detecting a request from a user for a subsequent page of image or text;
- a page-turn comprising an animated sequence of frames displayed throughout the transition between said first and subsequent pages of image or text; and
- wherein said ~~animation~~ animated sequence reveals less of the subsequent page beneath the first page at the commencement of the ~~animation~~ animated sequence with respect to time than when the first page approaches a position representing the page orthogonal to the axis of rotation of the first page.

B¹

9. (Previously amended) A user interface including a page-turn for a multiple page document as claimed in claim 8 wherein the position of the first page in a frame of said ~~animation~~ animated sequence is calculated with respect to ~~lapsed~~ elapsed time during a predetermined total time for completion of the page-turn.

10. (Original) A user interface including a page-turn for a multiple page document as claimed in claim 9 wherein said predetermined time for completion of the page-turn is selectable by a user.

B¹
11. (Original) A user interface including a page-turn for a multiple page document as claimed in claim 8 wherein an edge of said turning page distal from said centre of rotation increasingly stretches along an axis parallel to said axis of rotation as said edge approaches the axis of rotation.

12. (Original) A user interface including a page-turn for a multiple page document as claimed in claim 8 wherein said first page is represented as a convex surface when travelling between a starting position and the position in line with the centre of rotation of the first page.

13-14 (Canceled)

B²
15. (Previously added) A user interface including a page-turn for a multiple page document as claimed in claim 9 wherein the position of the first page in a frame of said animated sequence is calculated with respect to elapsed time assuming constant rotation of the turning page to achieve completion of the page-turn in said predetermined time.

16. *(Previously added)* A user interface including a page-turn for a multiple page document as claimed in claim 11 wherein said edge of said turning page distal from said centre of rotation stretches along an axis parallel to said axis of rotation such that the upper and lower corners of the page transcribe an elliptical path outside the area of a non-turning page.

17. *(Previously added)* A user interface including a page-turn for a multiple page document comprising:

- a screen display of a first page of image or text;
- means for detecting a request from a user for a subsequent page of image or text;
- a page-turn comprising an animated sequence of frames displayed throughout the transition between said first and subsequent pages of image or text; and
- wherein said image or text is mapped to a turning page during said animated sequence by mapping pixels from the original page in its unturned state to corresponding positions on said turning page.

18. (Previously added) A user interface including a page-turn for a multiple page document as claimed in claim 17 wherein said image or text on said turning page compresses in a direction orthogonal to the axis of rotation and simultaneously expands in a direction parallel to the axis of rotation as the turning page moves from an original position to a position orthogonal to the axis of rotation.
19. (Previously added) A user interface including a page-turn for a multiple page document as claimed in claim 18 wherein said turning page is presented in a convex manner and said image or text is mapped to corresponding positions on the convex page.
20. (Previously added) A user interface including a page-turn for a multiple page document as claimed in claim 17 wherein the colour of a pixel on a turning page is calculated by averaging the values of an uneven number of pixels from an original page or a single pixel from an original page may be mapped and averaged to an uneven number of pixels on the turning page.
21. (Previously added) A user interface including a page-turn for a multiple page document as claimed in claim 17 wherein said text on said turning page undergoes anti-aliasing techniques to blend pixel values across pixel boundaries.

✓22. (Canceled)

✓23. (Previously added) A computer readable medium encoded with a computer program to provide a user interface including a page-turn for a multiple page document, wherein said user interface comprises:

- a screen display of a first page of image or text;
- means for detecting a request from a user for a subsequent page of image or text;
- a page-turn comprising an animated sequence of frames displayed throughout the transition between said first and subsequent pages of image or text; and
- wherein said animated sequence reveals less of the subsequent page beneath the first page at the commencement of the animated sequence with respect to time than when the first page approaches a position representing the page orthogonal to the axis of rotation of the first page.

24. (Previously added) A computer readable medium encoded with a computer program to provide a user interface including a page-turn for a multiple page document, wherein said user interface comprises:

- a screen display of a first page of image or text;
- means for detecting a request from a user for a subsequent page of image or text;
- a page-turn comprising an animated sequence of frames displayed throughout the transition between said first and subsequent pages of image or text; and
- wherein said image or text is mapped to a turning page during said animated sequence by mapping pixels from the original page in its unturned state to corresponding positions on said turning page.

3

25. (Previously added) A method of providing a user interface including a page-turn for a multiple page document comprising:

- displaying a first page of image or text;
- detecting a request from a user for a subsequent page of image or text;
- displaying an animated sequence of frames throughout the transition between said first and subsequent pages of image or text to create a page-turn; and
- wherein said step of displaying an animated sequence includes revealing in said animated sequence less of the subsequent page beneath the first page at the commencement of the animated sequence with respect to time than when the first page approaches a position representing the page orthogonal to the axis of rotation of the first page.

26. (Previously added) A method of providing a user interface including a page-turn for a multiple page document as claimed in claim 25 wherein said step of displaying an animated sequence further includes calculating the position of the first page in a frame of said animated sequence with respect to lapsed elapsed time during a predetermined total time for completion of the page-turn.

27. *(Previously added)* A user interface including a page-turn for a multiple page document as claimed in claim 26 wherein in said step of calculating the position of the first page, said predetermined time for completion of the page-turn is selectable by a user.
28. *(Previously added)* A method of providing a user interface including a page-turn for a multiple page document as claimed in claim 25 wherein said step of displaying an animated sequence further includes increasingly stretching an edge of said turning page distal from said centre of rotation along an axis parallel to said axis of rotation as said edge approaches the axis of rotation.
29. *(Previously added)* A method of providing a user interface including a page-turn for a multiple page document as claimed in claim 25 wherein said step of displaying an animated sequence further includes representing said first page as a convex surface when travelling between a starting position and the position in line with the centre of rotation of the first page.

30. (Previously added) A method of providing a user interface including a page-turn for a multiple page document as claimed in claim 26 wherein said step of calculating the position of the first page comprises calculating the position of the first page in a frame of said animated sequence with respect to elapsed time assuming constant rotation of the turning page to achieve completion of the page-turn in said predetermined time.

B³

31. (Previously added) A method of providing a user interface including a page-turn for a multiple page document as claimed in claim 28 wherein said step of increasingly stretching an edge of said turning page comprises stretching said edge of said turning page distal from said centre of rotation along an axis parallel to said axis of rotation such that the upper and lower corners of the page transcribe an elliptical path outside the area of a non-turning page.

32. (Previously added) A method of providing a user interface including a page-turn for a multiple page document comprising:

- displaying of a first page of image or text;
- detecting a request from a user for a subsequent page of image or text;
- displaying an animated sequence of frames throughout the transition between said first and subsequent pages of image or text so as to create a page-turn; and
- wherein said step of displaying an animated sequence includes mapping said image or text to a turning page during said animated sequence by mapping pixels from the original page in its unturned state to corresponding positions on said turning page.

33. (Previously added) A method of providing a user interface including a page-turn for a multiple page document as claimed in claim 32 wherein said step of displaying an animated sequence further includes compressing said image or text on said turning page in a direction orthogonal to the axis of rotation and simultaneously expanding said image or text on said turning page in a direction parallel to the axis of rotation as the turning page moves from an original position to a position orthogonal to the axis of rotation.

34. *(Previously added)* A method of providing a user interface including a page-turn for a multiple page document as claimed in claim 33 wherein said step of compressing and simultaneously expanding said image or text comprises presenting said turning page in a convex manner and mapping said image or text to corresponding positions on the convex page.
35. *(Previously added)* A method of providing a user interface including a page-turn for a multiple page document as claimed in claim 32 wherein said step of displaying an animated sequence further includes calculating the colour of a pixel on a turning page by averaging the values of an uneven number of pixels from an original page or mapping and averaging a single pixel from an original page averaged to an uneven number of pixels on the turning page.
36. *(Previously added)* A method of providing a user interface including a page-turn for a multiple page document as claimed in claim 32 wherein said step of displaying an animated sequence further includes applying anti-aliasing techniques to said text on said turning page to blend pixel values across pixel boundaries.

37. (Previously added) A user interface including a page-turn for a multiple page document comprising:

- means for displaying a first page of image or text;
- means for detecting a request from a user for a subsequent page of image or text; and
- means for displaying a page-turn by displaying an animated sequence of frames throughout the transition between said first and subsequent pages of image or text; and
- wherein said means for displaying a page-turn includes means for revealing in said animated sequence less of the subsequent page beneath the first page at the commencement of the animated sequence with respect to time than when the first page approaches a position representing the page orthogonal to the axis of rotation of the first page.

38. (Previously added) A user interface including a page-turn for a multiple page document as claimed in claim 37 wherein said means for displaying a page-turn further includes means for calculating the position of the first page in a frame of said animated sequence with respect to lapsed elapsed time during a predetermined total time for completion of the page-turn.

39. *(Previously added)* A user interface including a page-turn for a multiple page document as claimed in claim 38 wherein said means for displaying a page-turn further includes means for allowing a user to select said predetermined time for completion of the page-turn.
40. *(Previously added)* A user interface including a page-turn for a multiple page document as claimed in claim 37 wherein said means for displaying a page-turn further includes means for increasingly stretching an edge of said turning page distal from said centre of rotation along an axis parallel to said axis of rotation as said edge approaches the axis of rotation.
41. *(Previously added)* A user interface including a page-turn for a multiple page document as claimed in claim 37 wherein said means for displaying a page-turn further includes means for representing said first page as a convex surface when travelling between a starting position and the position in line with the centre of rotation of the first page.

42. (Previously added) A user interface including a page-turn for a multiple page document as claimed in claim 38 wherein said means for calculating the position of the first page comprises means for calculating the position of the first page in a frame of said animated sequence with respect to elapsed time assuming constant rotation of the turning page to achieve completion of the page-turn in said predetermined time.

43. (Previously added) A user interface including a page-turn for a multiple page document as claimed in claim 40 wherein said means for increasingly stretching an edge of said turning page comprises means for stretching said edge of said turning page distal from said centre of rotation along an axis parallel to said axis of rotation such that the upper and lower corners of the page transcribe an elliptical path outside the area of a non-turning page.

44. (Previously added) A user interface including a page-turn for a multiple page document comprising:

- means for displaying of a first page of image or text;
- means for detecting a request from a user for a subsequent page of image or text; and
- means for displaying a page-turn by displaying an animated sequence of frames throughout the transition between said first and subsequent pages of image or text; and
- wherein said means for displaying a page-turn includes means for mapping said image or text to a turning page during said animated sequence by mapping pixels from the original page in its unturned state to corresponding positions on said turning page.

45. (Previously added) A user interface including a page-turn for a multiple page document as claimed in claim 44 wherein said means for displaying a page-turn further includes means for compressing said image or text on said turning page in a direction orthogonal to the axis of rotation and for simultaneously expanding said image or text on said turning page in a direction parallel to the axis of rotation as the turning page moves from an original position to a position orthogonal to the axis of rotation.

46. (Previously added) A user interface including a page-turn for a multiple page document as claimed in claim 45 wherein said means for compressing and simultaneously expanding said image or text comprises means for presenting said turning page in a convex manner and for mapping said image or text to corresponding positions on the convex page.

47. (Previously added) A user interface including a page-turn for a multiple page document as claimed in claim 44 wherein said means for displaying a page-turn further includes means for calculating the colour of a pixel on a turning page by averaging the values of an uneven number of pixels from an original page or means for mapping and averaging a single pixel from an original page averaged to an uneven number of pixels on the turning page.

48. (Previously added) A user interface including a page-turn for a multiple page document as claimed in claim 44 wherein said means for displaying a page-turn further includes means for applying anti-aliasing techniques to said text on said turning page to blend pixel values across pixel boundaries.
